1. (Currently amended) A method of determining the signal strength in a receiver or transmitter with complex signal processing using the in-phase channel (I channel) and the quadrature channel (Q channel), ~~characterized in that~~wherein the field strength signals of the I channel and of the Q channel are fed to an evaluation unit, and, the overall field strength signal is generated in the evaluation unit in accordance with the relation FieldSt=ln(e^2I_log+e^2Q_log), where FieldSt is the overall field strength signal and I_log and Q_log are the field strength signals of the I channel and of the Q channel, respectively~~in the evaluation unit, an overall field strength signal is generated on a logarithmic scale without intermediate-frequency residues from the individual field strength signals~~.

2. (Canceled)

3. (Currently amended) A method as claimed in claim 1, ~~characterized in that~~wherein the field strength signals of the I channel and of the Q channel are fed to the evaluation unit without amplification.

4. (Currently amended) A method as claimed in claim 1, ~~characterized in that~~wherein the field strength signals of the I channel and of the Q channel are amplified before they are fed to the evaluation unit.

5. (Currently amended) A circuit arrangement for determining the signal strength in a receiver or transmitter with complex signal processing using the in-phase channel (I

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